

**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 55
Little Stony Point**

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17 students - 12th grade**



Location: Little Stony Point beach, Cold Spring, Putnam County

Area: On the beach at Little Stony Point, facing Beacon across from Storm King

Surrounding Land Use: 50% forested, 50% beach

Sampling Site: beach area

Plants in area: no plants in water

Water depth: 45 cm

River Bottom –

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:37	15°C 59°F	12:33PM	16°C 61°F
Wind Speed	8 Beaufort	7.5 kts		North
Cloud Cover	Partly cloudy			
Weather today	Overcast, no rain, windy			
Weather recently	Rain and significant wind over last 3 days			
<i>Water Temperature</i>	12:50 PM	17.5°C 63°F		
<i>Water</i>	Choppy			
<i>Turbidity – drop kit</i>	11:32 AM	72 JTU 50 JTU 65 JTU	62.3 average JTU	
<i>Chlorophyll</i>				

Chemical						
DO (ampules)	12:10 PM	17°C	8 mg/L	70% saturated		
pH	10:48 AM	7.3				
	11:23 AM	7.5				
	12:10 PM	7.5				
Phosphate						
Nitrate	10:37 AM	0.5 ppm 1.0 ppm		0.75 ppm Average		
Alkalinity						
Salinity Test strips	10:56 AM	1.8 quantab unit 1.8 1.8	53 ppm chloride			
	(per Tom Lake)	<1.0 ppt				
Fish Catch	Number Caught	Species	CPUE	Seine		
Seine net 20 feet , X 4 ft. X 50 yrd pull						
Also dip net	2	Pumpkinseed				
	1	Spottail shiner	13.5 cm			
	1	White Perch	6 inches			
	2	Bullhead				
	1	Herring				
	1	Striped Bass				
Tides	10:20 AM	rising	5.1 cm			
	10:40 AM	Rising	12.7 cm	.38 cm/min		
	11:15 AM	Rising	22.9 cm	.29 cm/min		
	11:40 AM	Rising	35.6 cm	.5 cm/min		
	12:11PM	Rising	45.7 cm	.34 cm/min		
	12:28 PM	Rising	48.3 cm	.15 cm/min		
	12:47 PM	Rising	53.3 cm	.25 cm/min		
Currents (no time listed)	Time	Cm/60 sec	Cm/sec	knots	N/S	Ebb/Flood/Still
	10:37AM	720	12	.24	N	Flood
	11:00AM	20	.33	.0066	S/SW	Flood
	11:10AM	144	2.4	.046	SW	Flood
	12:05PM	136	21.7	0.434	S	Flood
	12:33PM		16.3	.326	S	Flood
Core Description	Rare	Common		Abundant		
	Mud	Gravel, pebbles		Sand		
	7 inches total length	Nothing living in it		Not much oxidation occurred		